

## **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

### **Listing of Claims:**

1. (Currently Amended) ~~An optical scanner, vibration compensation device for an optical scanner having a platform for holding a scan document, an optical system and a light sensing device, the vibration compensation device comprising:~~

a light sensing device;

an optical system;

a vibration sensor mounted on the light-sensing device of the optical scanner, the vibration sensor capable of ~~for~~ detecting a magnitude of vibration of the light-sensing device;

a controller connected to the vibration sensor, the controller capable of ~~for~~ measuring the magnitude of vibration of the light-sensing device and further capable of producing a corresponding actuator signal; and

an actuator independently connected to the controller and to the optical system of the scanner for, the actuator capable of adjusting the optical system according to the actuator signal ~~such that overall effects due to vibration are minimized.~~

2. (Currently Amended) The optical scanner vibration compensation device of claim 1, wherein the optical system ~~further includes;~~ comprises a set of flat mirrors, the actuator capable and method of adjusting the optical system through the actuator ~~includes~~ rotating one of the flat mirrors.

3. (Cancelled)

4. (Currently Amended) A method of compensating ~~the~~ for vibration ~~inside of~~ an optical scanner, ~~having a platform for holding a scan document, an optical system and a light-sensing device, the method comprising:~~

measuring ~~the~~ a magnitude of vibration of ~~the~~ a light-sensing device;

converting the measured vibration magnitude into ~~an electrical signal so that~~ an actuator signal ~~corresponding to the electrical signal is produced;~~ and

compensating for the measured vibration by adjusting ~~the~~ an optical system according to the actuator signal.

5. (Currently Amended) The method of claim 4, wherein ~~the optical system further includes a set of flat mirrors and the method of adjusting the optical system through the actuator includes~~ comprises rotating ~~one of the flat~~ a mirrors.

6. (Cancelled)

7. (New) An apparatus comprising:

means for sensing a vibration of a light-sensing device of an optical device;

means for converting said vibration to an actuator signal; and

means for adjusting an optical system of said optical device according to the actuator signal.

8. (New) The apparatus of claim 7 wherein said means for adjusting the optical system comprises means for adjusting a mirror.

9. (New) An article comprising:

a storage medium;

said storage medium having stored thereon instructions, that if executed, result in the following method being performed:

measuring a magnitude of vibration of a light-sensing device;  
converting the measured magnitude of vibration into an actuator signal; and  
compensating for said vibration by adjusting the optical system according to said actuator signal.

10. (New) The article of claim 9 wherein adjusting the optical system comprises adjusting a mirror.